

Table 1. 2003 Summary Statistics

Item	Value	U.S. Rank
Connecticut		
NERC Region(s).....		NPCC
Primary Energy Source		Nuclear
Net Summer Capability (megawatts).....	7,573	34
Electric Utilities	210	46
Independent Power Producers & Combined Heat and Power	7,363	13
Net Generation (megawatthours).....	29,545,050	40
Electric Utilities	59,812	46
Independent Power Producers & Combined Heat and Power	29,485,238	11
Emissions (thousand metric tons)		
Sulfur Dioxide	8	46
Nitrogen Oxide.....	11	45
Carbon Dioxide	9,534	40
Sulfur Dioxide (lbs/MWh).....	.6	46
Nitrogen Oxide (lbs/MWh).....	.8	45
Carbon Dioxide (lbs/MWh).....	711	46
Total Retail Sales (megawatthours).....	31,830,218	33
Full Service Provider Sales (megawatthours).....	31,230,118	33
Deregulated Sales (megawatthours).....	600,100	16
Direct Use (megawatthours).....	1,539,033	24
Average Retail Price (cents/kWh).....	10.16	9

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2003

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
Connecticut			
1. Millstone.....	Nuclear	Dominion Nuclear Conn Inc	1,997
2. Middletown.....	Other, Gas, Petroleum	Middletown Power LLC	837
3. Lake Road Generating Plant.....	Petroleum, Gas	Lake Road Generating Co LP	732
4. Bridgeport Station	Other, Petroleum, Coal	PSEG Power Connecticut LLC	513
5. Montville Station.....	Gas, Petroleum	NRG Montville Operations Inc	496
6. Bridgeport Energy Project	Gas	Bridgeport Energy LLC	454
7. New Haven Harbor	Petroleum	PSEG Power Connecticut LLC	448
8. Devon Station.....	Gas, Petroleum	NRG Devon Operations Inc	354
9. NRG Norwalk Harbor.....	Petroleum	NRG Norwalk Harbor Ops Inc	342
10. PPL Wallingford Energy LLC.....	Gas	PPL Wallingford Energy LLC	190

See footnotes at end of tables.

Table 3. Top Five Providers of Retail Electricity, 2003
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
Connecticut						
1. Connecticut Light & Power Co	Investor-Owned	23,517,194	10,069,162	9,775,938	3,479,764	192,330
2. United Illuminating Co.....	Investor-Owned	5,763,052	2,261,954	2,549,352	951,746	0
3. Wallingford Town of.....	Public	614,272	213,019	233,183	168,070	0
4. Groton Dept of Utilities	Public	587,266	114,212	129,562	343,492	0
5. Norwich City of.....	Public	341,834	124,983	164,380	52,471	0
Total Sales, Top Five Providers.....		30,823,618	12,783,330	12,852,415	4,995,543	192,330
Percent of Total State Sales		97	97	98	93	100

See footnotes at end of tables.

Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Connecticut							
Electric Utilities.....	6,732	5,617	210	-32.0	91.7	85.6	2.8
Coal.....	385	385	0	NM	5.2	5.9	.0
Petroleum.....	2,210	2,197	178	-24.4	30.1	33.5	2.3
Natural Gas.....	214	341	0	NM	2.9	5.2	.0
Dual Fired.....	528	547	23	-29.4	7.2	8.3	.3
Nuclear	3,194	2,011	0	NM	43.5	30.6	.0
Hydroelectric	131	130	9	-25.7	1.8	2.0	.1
Other Renewables	64	0	0	NM	.9	.0	.0
Pumped Storage	6	6	0	NM	.1	.1	.0
Independent Power Producers and Combined							
Heat and Power	607	949	7,363	32.0	8.3	14.5	97.2
Coal.....	200	200	553	12.0	2.7	3.0	7.3
Petroleum.....	0	0	2,084	NM	.0	.0	27.5
Natural Gas.....	57	406	701	32.2	.8	6.2	9.3
Dual Fired.....	194	77	1,632	26.7	2.6	1.2	21.5
Nuclear	0	0	1,997	NM	.0	.0	26.4
Hydroelectric	21	19	137	23.2	.3	.3	1.8
Other Renewables	135	244	254	7.3	1.8	3.7	3.4
Pumped Storage	0	0	4	NM	.0	.0	.1
Other.....	0	3	1	NM	.0	*	*
Total Electric Industry.....	7,339	6,565	7,573	.3	100.0	100.0	100.0
Coal.....	585	585	553	-.6	8.0	8.9	7.3
Petroleum.....	2,210	2,197	2,263	.3	30.1	33.5	29.9
Natural Gas.....	271	747	701	11.1	3.7	11.4	9.3
Dual Fired.....	722	624	1,654	9.6	9.8	9.5	21.8
Nuclear	3,194	2,011	1,997	-5.1	43.5	30.6	26.4
Hydroelectric	152	148	146	-.4	2.1	2.3	1.9
Other Renewables	199	244	254	2.7	2.7	3.7	3.4
Pumped Storage	6	6	4	-4.4	.1	.1	.1
Other.....	0	3	1	NM	.0	*	*

See footnotes at end of tables.

Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Connecticut							
Electric Utilities.....	27,201,416	15,122,925	59,812	-49.3	87.2	76.8	0.2
Coal.....	2,104,045	1,482,608	0	NM	6.7	7.5	.0
Petroleum.....	3,353,897	8,608,001	13,955	-45.6	10.8	43.7	*
Natural Gas.....	732,277	977,388	0	NM	2.3	5.0	.0
Nuclear.....	20,159,938	3,243,003	0	NM	64.7	16.5	.0
Hydroelectric.....	409,502	384,447	45,857	-21.6	1.3	2.0	.2
Other Renewables.....	438,962	427,389	0	NM	1.4	2.2	.0
Pumped Storage.....	2,795	89	0	NM	*	.0	.0
Independent Power Producers and Combined							
Heat and Power.....	3,977,501	4,568,567	29,485,238	24.9	12.8	23.2	99.8
Coal.....	1,518,731	1,533,639	4,200,297	12.0	4.9	7.8	14.2
Petroleum.....	189,665	57,081	2,048,713	30.3	.6	.3	6.9
Natural Gas.....	1,166,308	1,280,080	5,061,613	17.7	3.7	6.5	17.1
Other Gases.....	0	239	0	NM	.0	*	.0
Nuclear.....	0	0	16,078,095	NM	.0	.0	54.4
Hydroelectric.....	71,660	63,838	518,559	24.6	.2	.3	1.8
Other Renewables.....	1,031,137	1,633,690	1,565,942	4.8	3.3	8.3	5.3
Pumped Storage.....	0	0	-18	NM	.0	.0	.0
Other.....	0	0	12,037	NM	.0	.0	*
Total Electric Industry.....	31,178,917	19,691,492	29,545,050	-6	100.0	100.0	100.0
Coal.....	3,622,776	3,016,247	4,200,297	1.7	11.6	15.3	14.2
Petroleum.....	3,543,562	8,665,082	2,062,668	-5.8	11.4	44.0	7.0
Natural Gas.....	1,898,585	2,257,468	5,061,613	11.5	6.1	11.5	17.1
Other Gases.....	0	239	0	NM	.0	*	.0
Nuclear.....	20,159,938	3,243,003	16,078,095	-2.5	64.7	16.5	54.4
Hydroelectric.....	481,162	448,285	564,416	1.8	1.5	2.3	1.9
Other Renewables.....	1,470,099	2,061,079	1,565,942	.7	4.7	10.5	5.3
Pumped Storage.....	2,795	89	-18	NM	*	.0	.0
Other.....	0	0	12,037	NM	.0	.0	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Connecticut				
Coal (cents per million Btu).....	177.4	181.1	W	W
Average heat value (Btu per pound).....	13,094	13,138	10,565	-2.4
Average sulfur Content (percent).....	.5	.5	.5	.2
Petroleum (cents per million Btu).....	253.1	218.7	542.0	8.8
Average heat value (Btu per gallon).....	151,052	152,132	146,744	-.3
Average sulfur Content (percent).....	.8	.8	.4	-7.1
Natural Gas (cents per million Btu).....	196.0	236.9	W	W
Average heat value (Btu per cubic foot).....	1,017	1,030	1,020	*

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Connecticut				
Sulfur Dioxide				
Coal	9	7	3	-10.9
Petroleum	16	38	5	-12.2
Natural Gas	*	*	*	8.0
Other	*	1	*	4.6
Total	25	45	8	-11.5
Nitrogen Oxide				
Coal	12	8	2	-16.4
Petroleum	4	11	2	-5.8
Gas	2	3	1	-9.7
Other	2	3	5	9.2
Total	20	25	11	-6.9
Carbon Dioxide				
Coal	3,446	2,994	3,926	1.5
Petroleum	3,186	7,458	1,869	-5.8
Gas	1,182	1,512	2,509	8.7
Geothermal	—	—	—	NM
Other	158	271	1,230	25.6
Total	7,971	12,235	9,534	2.0

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Connecticut							
Retail Sales (thousand megawatthours)							
Residential.....	10,898	10,935	13,178	2.1	38.9	37.8	41.4
Commercial.....	10,845	11,683	13,094	2.1	38.7	40.3	41.1
Industrial.....	5,917	5,838	5,366	-1.1	21.1	20.2	16.9
Other.....	366	500	NA	NM	1.3	1.7	NA
Transportation.....	NA	NA	192	NM	NA	NA	.6
Total.....	28,026	28,956	31,830	1.4	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential.....	1,250	1,306	1,491	2.0	43.8	43.8	46.1
Commercial.....	1,084	1,169	1,300	2.0	38.0	39.2	40.2
Industrial.....	467	449	429	-9	16.4	15.0	13.3
Other.....	51	58	NA	NM	1.8	1.9	NA
Transportation.....	NA	NA	15	NM	NA	NA	.5
Total.....	2,853	2,983	3,235	1.4	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential.....	11.47	11.95	11.31	-2	NA	NA	NA
Commercial.....	9.99	10.01	9.93	-1	NA	NA	NA
Industrial.....	7.90	7.70	7.99	.1	NA	NA	NA
Other.....	14.00	11.65	NA	NM	NA	NA	NA
Transportation.....	NA	NA	7.72	NM	NA	NA	NA
Total.....	10.18	10.30	10.16	*	NA	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2003

Item	Full Service Providers					Other Providers		Total
	Investor- Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Connecticut								
Number of Entities.....	3	7	NA	NA	NA	5	2	17
Number of Retail Customers.....	1,467,971	68,616	NA	NA	NA	22,673	NA	1,559,260
Retail Sales (thousand megawatthours)	29,323	1,907	NA	NA	NA	600	NA	31,830
Percentage of Retail Sales	92.12	5.99	NA	NA	NA	1.89	NA	100.00
Revenue from Retail Sales (million dollars)	3,026	152	NA	NA	NA	29	27	3,235
Percentage of Revenue.....	93.55	4.70	NA	NA	NA	.91	.84	100.00
Average Retail Price (cents/kWh).....	10.32	7.98	NA	NA	NA	4.91	4.53	10.16

Table 9 Notes: Data are shown for All Sectors. **Full Service Providers** sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as Independent Power Producers or other full service providers) prior to delivery. **Other Providers** sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. "Federal" entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its service. The cooperative will generate, transmit, and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Facility" sales represent direct electricity transactions from independent generators to end use consumers.

Other Notes: NA = Not applicable; NM = Not meaningful;

W = Withheld to avoid disclosure of individual company data;

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is '1' and values under 0.5 are shown as '*').

Totals may not equal sum of components because of independent rounding;

Table 4 "Other Renewables" includes generation from municipal solid waste; Table 7 "Other" includes emissions from municipal solid waste.

Direct Use is commercial or industrial use of electricity that 1) is self-generated, 2) is produced by either the same entity that consumes the power or an affiliate, and 3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.